

**METHOD AND SYSTEM FOR  
A REAL TIME ADAPTIVE SYSTEM FOR EFFECTING CHANGES  
IN COGNITIVE-EMOTIVE PROFILES**

**ABSTRACT**

[36] A means and method for inducing a temporary physiological state-of-mind to effect persistent changes to the cognitive-emotive profile of an individual, which is adaptable for neurofeedback and “mental-state” therapeutic and non-therapeutic interventions. The system comprises an EEG Recording Module (ERM), a Neurodynamics Assessment Module (“NAM”), and a Transcranial Magnetic Stimulation module (“TMS”) for acquiring and manipulating bioelectrical and/or EEG data, defining a cognitive-emotive profile, and mapping the cognitive-emotive profile to selectively control transcranial magnetic stimulation to drive therapeutic and non-therapeutic stimulus interventions. A bi-directional feedback feature is provided to further enhance the performance of the system to effect prolonged changes.